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Date: July 19, 2004

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Perlegen's Docket No.:200/1011-10

Re:

Applicant: PERLEGEN SCIENCES, INC.

Application No.: 10/042,406 Inventor(s): Sheehan, et al. **Due Date: 19 July 2004**

Enclosed, please find the following documents:

1. Response to Office Action dated 19 April 2004 (14 pages)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/042,406

Applicant

Sheehan, et al.

Filed

January 9, 2002

TC/A.U.

1631

Examiner

Mahatan, Channing S.

Docket No.

200/1011-10

Customer No.

31,662

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Office Action dated April 19, 2004, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Listing of Claims begins on page 4 of this paper.

Remarks/Arguments begin on page 9 of this paper.